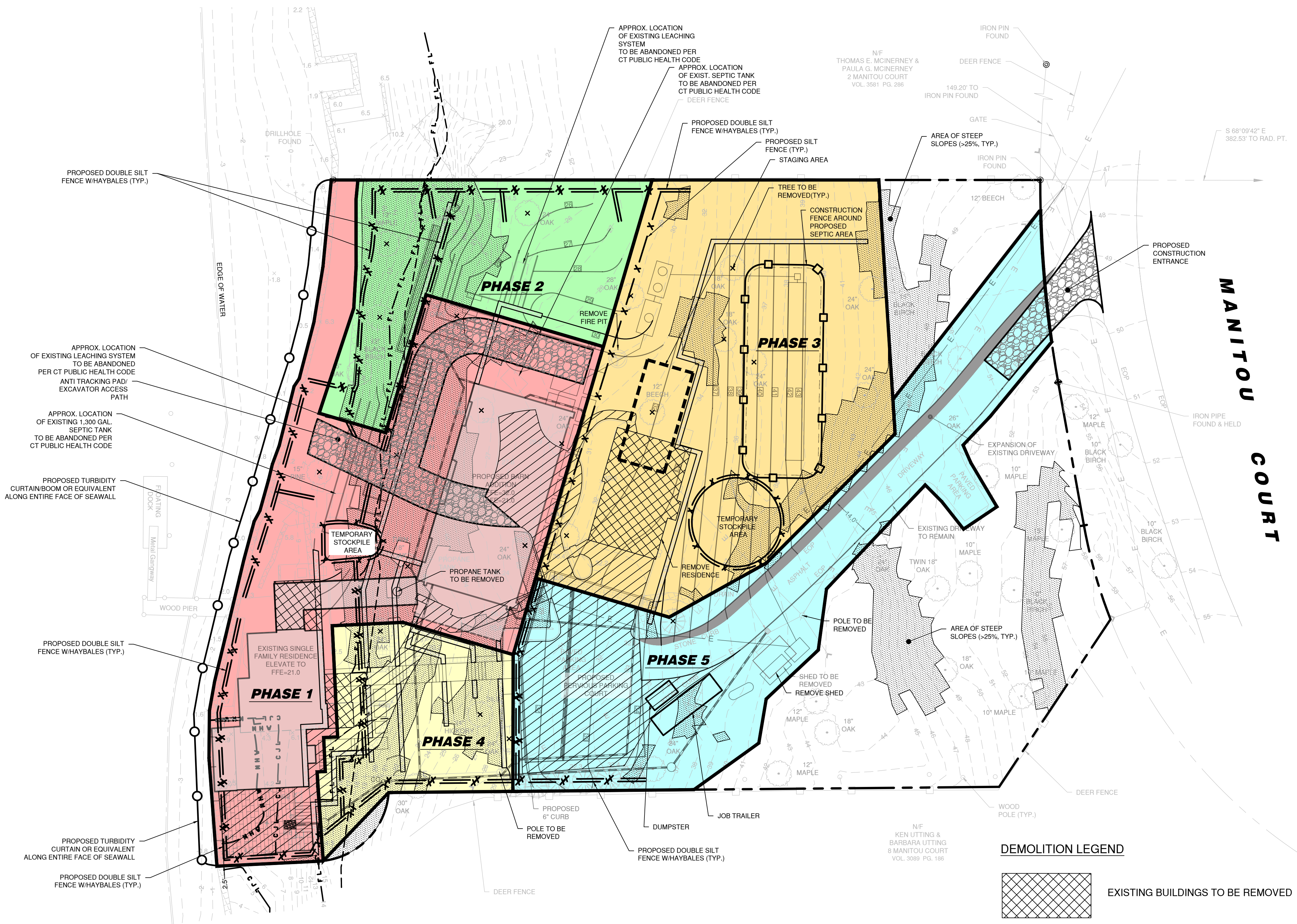
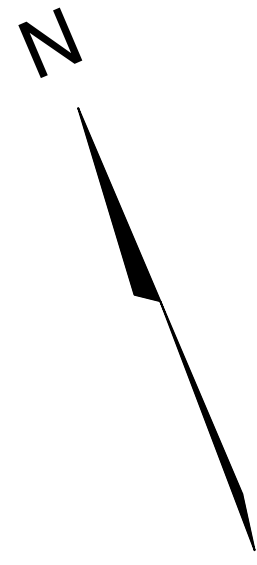


GENERAL NOTES

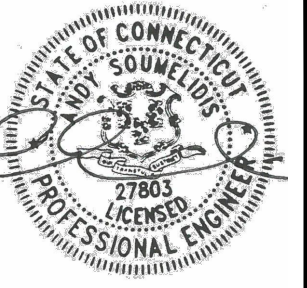
1. LOT LINE & TOPOGRAPHIC INFORMATION FOR 6 MANITOU COURT TAKEN FROM ZONING MAP OF PROPERTY PREPARED BY DENNIS A. DEILUS LAND SURVEYORS DATED MARCH 16, 2020.



AREA OF STEEP SLOPES



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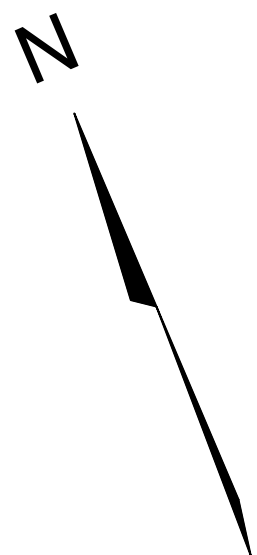
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PROJECT No.		20020-01	
SCALE: 1" = 20'		DATE: 5/12/20	
DRAWN BY: SM		CHECKED BY: AS	
PREPARED FOR: 6 MANITOU COURT, LLC PROJECT LOCATION: 6 MANITOU COURT WESTPORT, CT TITLE: PROPOSED SITE IMPROVEMENTS FOR A SINGLE FAMILY ADDITION AND RENOVATION - DEMOLITION & PHASING PLAN			

C-0



1. LOT LINE & TOPOGRAPHIC INFORMATION FOR 6 MANITOU COURT
TAKEN FROM ZONING MAP OF PROPERTY PREPARED BY DENNIS A.
DEILUS LAND SURVEYORS DATED MARCH 16, 2020.

COVERAGE CALCULATIONS			
SITE: 6 MANITO COURT			
ZONE: RESIDENCE AAA			
TOTAL SITE AREA: 1.282 AC. S.F.			
1.	TOTAL LOT AREA (GROSS)	55,858 S.F.	
2.	EASEMENTS, ACCESSWAY	0	
3.	ADD'L EXCLUSIVE SURFACE EASEMENTS	0	
4.	OTHER EXCLUSIVE SURFACE EASEMENTS	0	
5.	TOTAL OF EASEMENTS & ROADS (SUM OF LINES 2, 3 & 4)	0 S.F.	0 S.F.
6.	WETLAND AREAS	0 S.F.	
7.	EXISTING STEEP SLOPES - 25%	12,973 S.F.	
8.	PROPOSED STEEP SLOPES - 25%	7,050 S.F.	
9.	EXISTING TOTAL WETLAND & STEEP SLOPES (SUM OF LINES 6 & 7)	12,973 S.F.	
10.	PROPOSED TOTAL WETLAND & STEEP SLOPES (SUM OF LINES 6 & 7)	7,050 S.F.	
11.	EXISTING WETLAND/SLOPE REDUCTION	0.80 X L1/IN 8	10,378 S.F.
12.	PROPOSED WETLAND/SLOPE REDUCTION	0.80 X L1/IN 8	5,640 S.F.
13.	EXISTING DETERMINE BASE LOT AREA (L1 MINUS LINES 5 & L12)		46,480 S.F.
14.	PROPOSED DETERMINE BASE LOT AREA (L1 MINUS LINES 5 & L12)		50,218 S.F.
DETERMINE MAXIMUM ALLOWABLE LOT AREA COVERAGE			
15.	EXISTING BASE LOT AREA X 25%	11,618 X 25	11,529 S.F.
16.	PROPOSED BASE LOT AREA X 25%	11,618 X 25	12,555 S.F.
DETERMINE PROPOSED TOTAL AREA COVERAGE			
17.	EXISTING TOTAL COVERAGE		
	EXISTING 2 STORY RESIDENCE	1,815 S.F.	
	EXISTING 1 STORY RESIDENCE	960 S.F.	
	EXISTING DRIVEWAY	6,133 S.F.	
	SHED, DOCK, DECK	1,167 S.F.	
	SUM OF LINE 17	10,105 S.F.	
18.	PROPOSED TOTAL COVERAGE		
	PROPOSED RESIDENCE	4,838 S.F.	
	PROPOSED DRIVEWAY	5,277 S.F.	
	PROPOSED WOOD DECK	585 S.F.	
	DOCK, TRAMPOLINE, WATER FEATURE	575 S.F.	
	SUM OF LINE 18	11,275 S.F.	
19.	ALLOWABLE TOTAL COVERAGE (LINE 16)		12,555 S.F.
17.	EXISTING TOTAL COVERAGE (LINE 18 / LINE 13)	21.9%	10.105 S.F.
18.	PROPOSED LOT COVERAGE (LINE 20 / LINE 14)	22.5%	11,275 S.F.

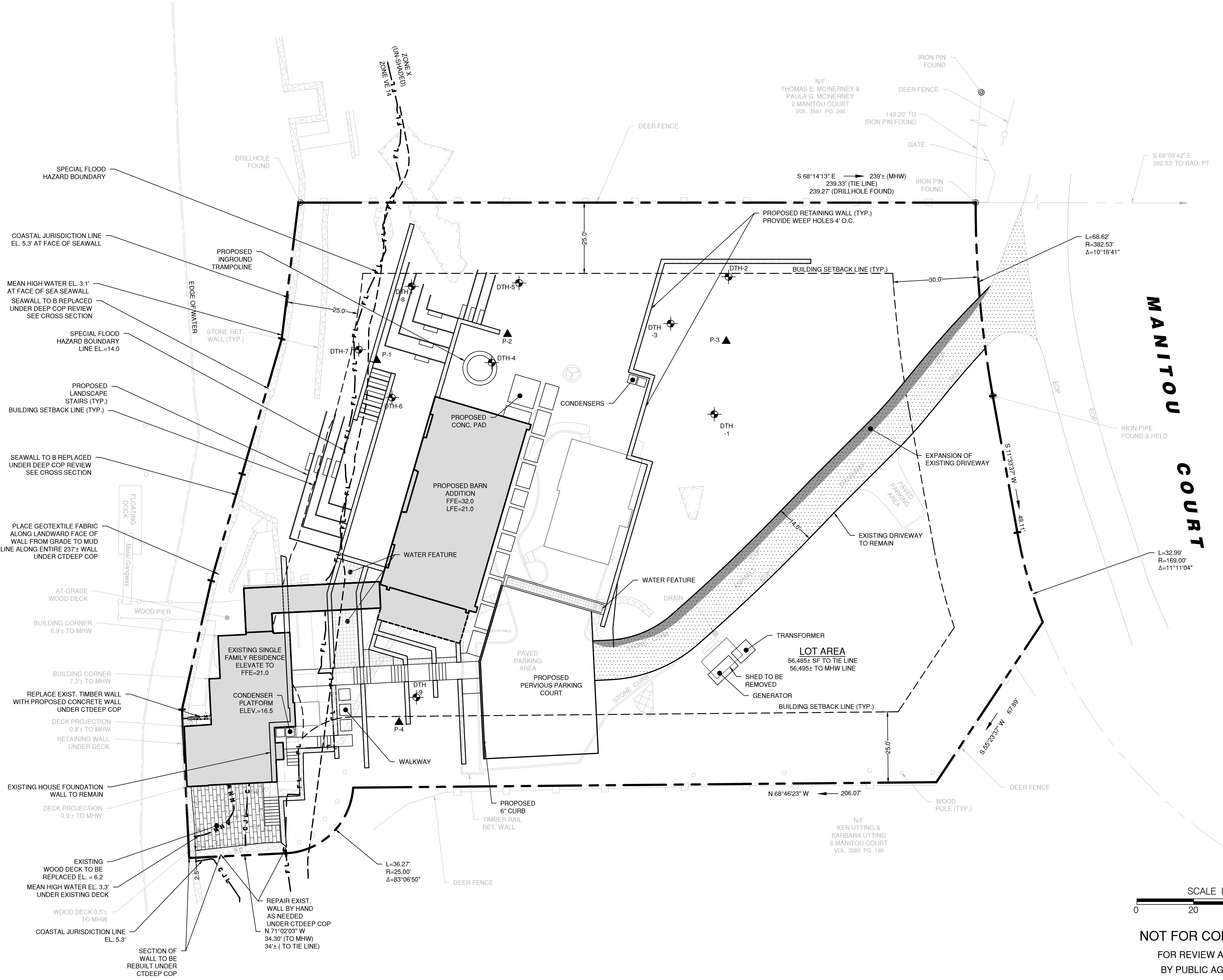
● Iron Pin (Found)	● (YD)	Storm Yard Drain
□ Monument (Found)	● (MH)	Storm Drain Manhole
○ Manhole	○ (CB)	Catch Basin
□ "CB" Catch Basin	○ (CSBH)	Sanitary Sewer Manhole
⌵ Utility Pole	▲ P-1	Perc Test Hole Location & Number
⌵ Light Pole	⬆ DTH-1	Deep Test Hole Location & Number
⌵ Water Gate	Ⓜ	Proposed Well
⌵ Gas Valve		
⌵ Gas Meter		
Ⓜ Existing Well		

	Property Line		Sanitary Sewer
	Sanitary Sewer Line		Electric Service
	U/G Elec. Line		Water Service
	Water Line		U/G Telephone Service
	Overhead Utilities		Electric/Telephone Service
	U/G Tele. Line		Primary Septic
	U/G Electric/Telephone Line		Reserve Septic
	Wood/Chain Link Fence		Retaining Wall
	Stone Ret. Wall		Contour
	Contour		Spot Elevation
	Wetland Limit		Silt Fence (GSF)
	Spot Elevation		Wood/Chain Link Fence
	Watercourse Limit		Construction Fence
	Drainage Line		Vegetative Buffer
	Town/City Line		Wetland Limit (Flagged)
	25 Year Flood Line		
	100 Year Flood Line		
	FEMA Flood Zone Boundary		
	Floodway Boundary		
	Mean High Water		
	Coastal Jurisdiction Line		


ZONING DATA					
ZONING DISTRICT: RESIDENCE AAA DISTRICT					
PROPOSED USE: SINGLE-FAMILY RESIDENCE					
DIMENSIONAL		REQUIRED/ALLOWED	EXISTING	PROVIDED	CONFORMS
LOT AREA		87,120 SF (2.0 AC.)	55,858 SF (1.282 AC.)*	55,858 SF (1.282 AC.)*	N*
BASE LOT AREA			46,480 SF (1.067 AC.)	50,218 SF (1.153 AC.)	
TOTAL COVERAGE	MAX.	25% / 12,555 SF	21.9% / 10,105 SF	22.5% / 11,275 SF	Y
SHAPE	MINIMUM	200' SQUARE	>200'	>200'	Y
YARDS	FRONT	30**	104.4'±	162.3'±	Y
	SIDE	25**	2.2'±**	2.5'±**	N**
	REAR	25**	0.0'±**	0.0'±**	N**
BUILDING HEIGHT	MAXIMUM	3 STORIES		3 STORIES	
BARN		40'	N/A	34.5'	Y
BUILDING HEIGHT	MAXIMUM	3 STORIES	EXISTING	2 STORIES	
BOAT HOUSE		40'		33'	Y

* Existing non-conforming lot allows for reduced setback per section 6-3.1

** Existing non-conforming to setback; reducing non-conformity



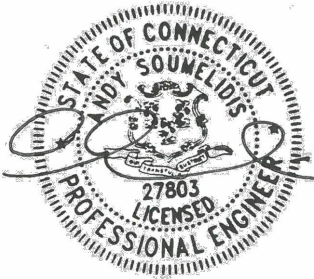
SCALE IN FEET



0 20 40 60

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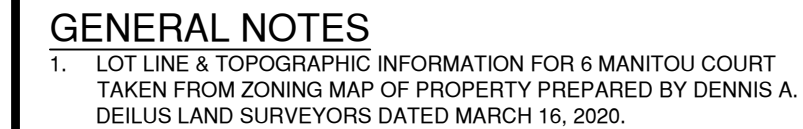
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6 MANITOU COURT, LLC	PROPOSED SITE IMPROVEMENTS FOR A SINGLE FAMILY ADDITION AND RENOVATION - LAYOUT PLAN
PROJECT LOCATION: 6 MANITOU COURT WESTPORT, CT	TITLE:

PROJECT No. 20020-01	
SCALE 1" = 20'	DATE 5/12/20
DRAWN BY: SM	CHECKED BY: AS

C-1







































PROPOSED AVERAGE BUILDING GRADE	
Spot Elev No.	Grade Elevation
1	31.5
2	31.5
3	31.5
4	31.5
5	31.1
6	24.1
7	14.1
8	14.1
9	16.6
10	12.5
11	6.6
12	7.5
13	7.5
14	7.5
15	7.5
16	7.5
17	24.1
18	18.0
19	18.0
20	18.0
21	18.0
Total	378.7
No. of Points	21.0
AVG. GRADE	18.0

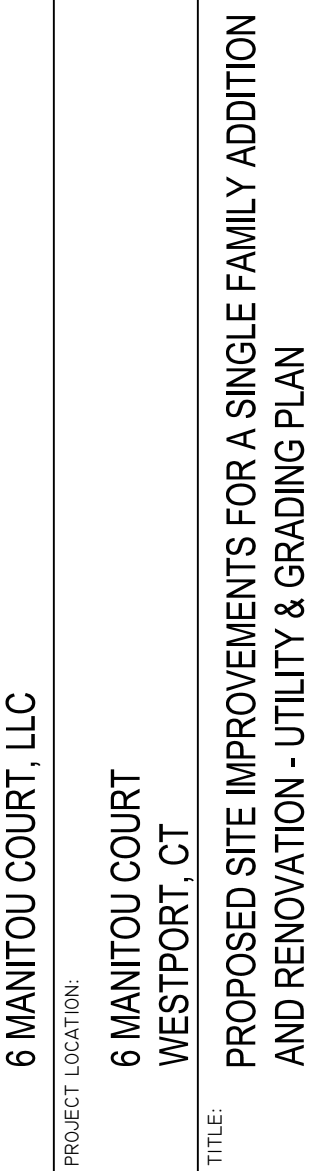
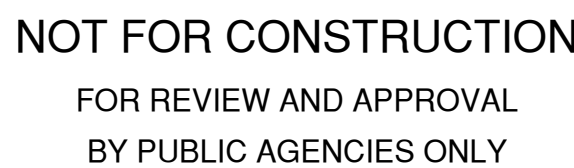
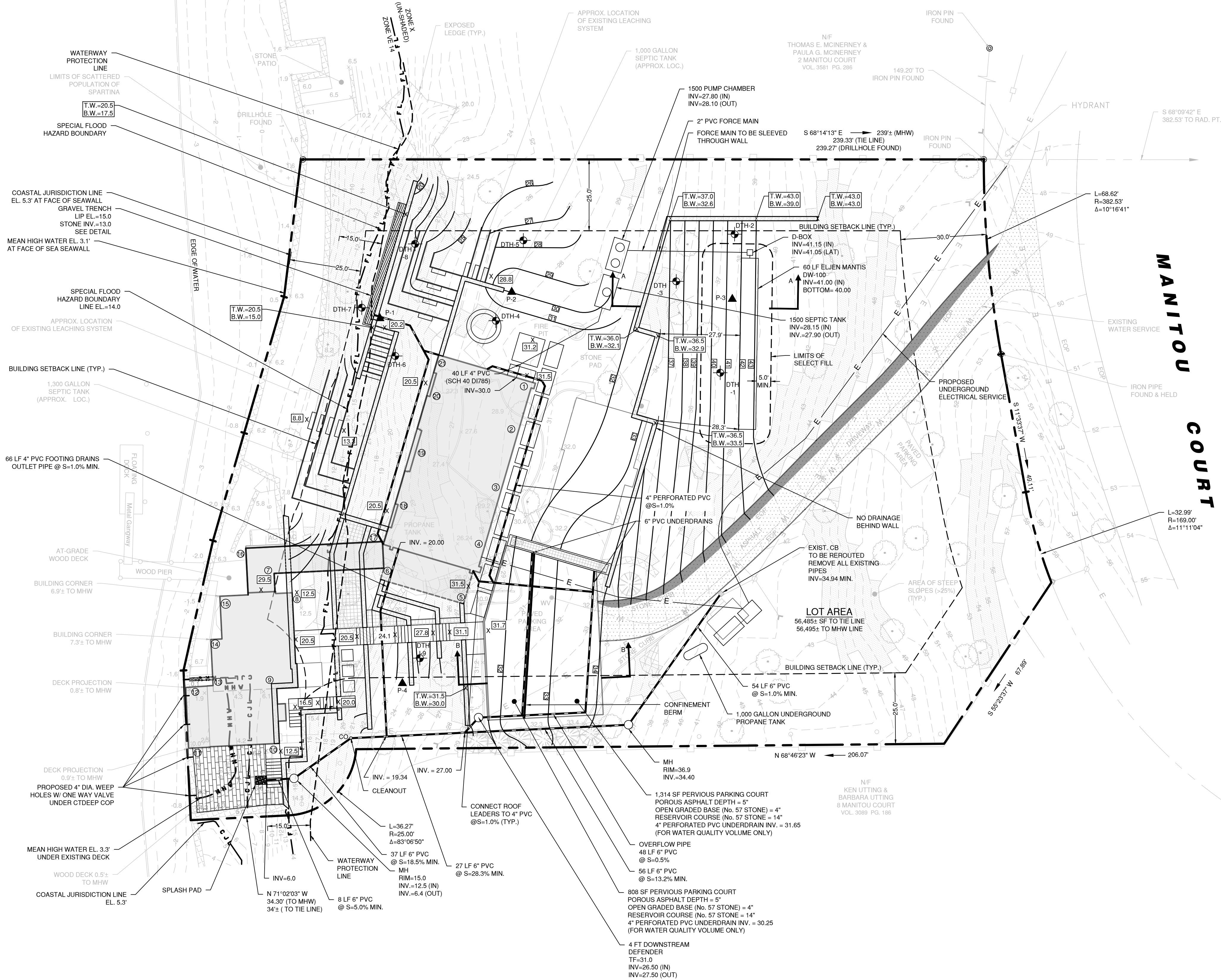
EXISTING SYMBOLS:

- Iron Pin (Found)
- Monument (Found)

- | | | |
|--------------------|----------|----------------------------------|
| ● Iron Pin (Found) | ● (YD) | Storm Yard Drain |
| □ Monument (Found) | ● (MH) | Storm Drain Manhole |
| ○ Manhole | ○ (CB) | Catch Basin |
| □ "CB" Catch Basin | ○ (SSMH) | Sanitary Sewer Manhole |
| ⌋ Utility Pole | ▲ P-1 | Perc Test Hole Location & Number |
| ⌋ Light Pole | ⚡ DTH-1 | Deep Test Hole Location & Number |
| WG Water Gate | Ⓢ | Proposed Well |
| GV Gas Valve | | |
| GM Gas Meter | | |
| W Existing Well | | |

EXISTING LINETYPES:

- | | | | |
|---|-----------------------------|---|----------------------------|
|  | Property Line |  | Sanitary Sewer |
|  | Sanitary Sewer Line |  | Electric Service |
|  | U/G Elec. Line |  | Water Service |
|  | Water Line |  | U/G Telephone Service |
|  | Overhead Utilities |  | Electric/Telephone Service |
|  | U/G Tele. Line |  | Primary Septic |
|  | U/G Electric/Telephone Line |  | Reserve Septic |
|  | Wood/Chain Link Fence |  | Retaining Wall |
|  | Stone Ret. Wall |  | Contour |
|  | Contour |  | Spot Elevation |
|  | Wetland Limit |  | Silt Fence (GSF) |
|  | Spot Elevation |  | Wood/Chain Link Fence |
|  | Watercourse Limit |  | Construction Fence |
|  | Drainage Line |  | Vegetative Buffer |
|  | Town/City Line |  | Wetland Limit (Flagged) |
|  | 25 Year Flood Line | | |
|  | 100 Year Flood Line | | |
|  | FEMA Flood Zone Line | | |
|  | Floodway Boundary | | |
|  | Mean High Water | | |
|  | Coastal Jurisdiction Line | | |



GENERAL SEPTIC NOTES

- THE PROPOSED SEPTIC SYSTEM IS TO BE CONSTRUCTED TO CONFORM TO THE LATEST REVISION OF THE STATE OF CONNECTICUT PUBLIC HEALTH CODE.
 - IT IS THE RESPONSIBILITY OF THE INSTALLER TO CALL "CALL BEFORE YOU DIG," 1-800-922-4455, TWO FULL WORKING DAYS PRIOR TO ANY EXCAVATION WORK ON THE PROPERTY.
 - IT IS THE RESPONSIBILITY OF THE INSTALLER TO KEEP THE LOCAL HEALTH DEPARTMENT AND THE ENGINEER OF RECORD INFORMED OF CONSTRUCTION PROGRESS. NO DEVIATIONS FROM THE APPROVED DESIGN PLAN SHALL BE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER AND SANITARIAN. ENGINEER AND SANITARIAN WILL BE CONTACTED IF SOIL CONDITIONS OTHER THAN THOSE SHOWN ON PLAN ARE ENCOUNTERED AND WORK WILL BE HALTED PENDING REVIEW OF THOSE CONDITIONS.
 - THE INSTALLATION OF THE SEPTIC SYSTEM SHALL BE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER.
 - ELEVATIONS SHOWN REFER TO THE INVERT (FLOW LINE) OF THE PROPOSED LEACHING SYSTEM UNLESS NOTED OTHERWISE.
 - BASED ON AN OBSERVED PERCOLATION RATE OF 1" IN 25 MINUTES AND A 5 BEDROOM DWELLING, A 1,500 GALLON SEPTIC TANK AND 1,000 SQ. FT. OF EFFECTIVE LEACHING AREA MUST BE PROVIDED AS PER THE STATE OF CONNECTICUT HEALTH CODE. INSTALL 60" OF ELJEN MANTIS DW-100 GALLERIES PROVIDING 1,200 SQ. FT. OF EFFECTIVE LEACHING AREA.
 - UTILIZATION OF EXISTING SEPTIC TANK WILL BE BASED UPON THE INTEGRITY OF THE TANK AND BAFFLES DETERMINED PRIOR TO LEACHING SYSTEM CONSTRUCTION.
 - PROVIDE A 1,500 GALLON, TWO COMPARTMENT SEPTIC TANK MADE OF CONCRETE WITH A MINIMUM 4,000 PSI CONCRETE PER ASTM STANDARDS. SEPTIC TANK ACCESS SHALL BE OUTFITTED WITH 24" DIAMETER RISERS TO FINISHED GRADE WHERE SOIL COVER OVER THE TANK EXCEEDS 12 INCHES. SEAL ALL JOINTS WATER TIGHT. ALL TANK INLET AND OUTLET PIPING SHALL BE SEALED WITH A POLYETHYLENE GASKET, "POLYLOK" OR EQUIVALENT. TANK TO BE WATER TIGHT.
 - SEPTIC TANK BAFFLES SHALL CONFORM TO TECHNICAL STANDARDS OF THE PUBLIC HEALTH CODE.
 - SEPTIC TANK SHALL HAVE AN APPROVED NON-BYPASS EFFLUENT FILTER AT THE OUTLET.
 - ALL PIPING BETWEEN HOUSE AND SEPTIC TANK SHALL BE FOUR INCHES IN DIAMETER WITH A MINIMUM SLOPE OF 1/8" PER FOOT OR SIX INCHES IN DIAMETER WITH A MINIMUM SLOPE OF 1/4" PER FOOT. PIPE SHALL BE LAID WITH TIGHT JOINTS AND IN A STRAIGHT LINE WITH UNIFORM GRADES. ACCESSIBLE MANHOLES OR SURFACE CLEANOUTS SHALL BE PROVIDED AT ONE OR MORE CUMULATIVE CHANGES OF DIRECTION EXCEEDING 45 DEGREES OR WHERE BUILDING SEWER EXCEEDS 75 FEET IN LENGTH. MATERIALS TO BE ALLOWED BY TECHNICAL STANDARDS.
 - ALL PIPE USED BETWEEN SEPTIC TANK AND LEACHING AREA SHALL BE 4" SDR-35 PVC PIPE WITH WATER TIGHT JOINTS OR EQUIVALENT ALLOWED BY TECHNICAL STANDARDS. PIPE SHALL BE SET ON A MINIMUM SLOPE OF 1/8" PER FOOT.
 - DISTRIBUTION BOXES ARE TO BE SET ON A STABLE FOOTING OF 12" MINIMUM DEPTH OF 1" CRUSHED STONE.
 - ALL FILTER FABRIC SHALL BE 1/5 OZ./YD. (ASTM D-5261), PERMEABILITY OF 1.0/SEC. (AS TM D-4491) AND A TRAPEZOID TEAR OF 15 LBS. (ASTM D-4533) OR EQUIVALENT.
 - NO FOOTING DRAINS OR OTHER GROUNDWATER DRAINS SHALL BE INSTALLED WITHIN 25' OF PROPOSED SEPTIC SYSTEM OR WITHIN 50 FEET OF SEPTIC SYSTEM IF DRAIN IS DOWN GRADIENT.
 - PRIOR TO CONSTRUCTION ACTIVITIES THE LEACHING SYSTEM AREAS SHALL BE ROPED OFF OR OTHERWISE DELINEATED SO AS TO KEEP CONSTRUCTION TRAFFIC OFF THE SEPTIC AREA.
 - STRIP AND STOCKPILE TOPSOIL AND REMOVE BOULDERS PRIOR TO PLACING FILL. ALL TOPSOIL MUST BE REMOVED IN FILL SYSTEMS.
 - GRAVEL FILL TO BE DUMPED AT THE EDGE OF PREPARED LEACHING AREA AND PUSHED ONTO HARROWED SURFACE WITH TRACK MACHINES IN 12" MAX LIFTS. GRAVEL TO BE COMPACTED TO 90-95% STANDARDS PROCTOR DENSITY - ASTM D-698. THE ENGINEER OF RECORD AND THE HEALTH DEPARTMENT MUST APPROVE THE SELECT GRAVEL PRIOR TO ITS PLACEMENT.
 - SELECT FILL SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE 3 INCH SIEVE.
 - UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE.
 - THE MATERIAL THAT PASSES THE #4 SIEVE IS TO BE REWEIGHED AND A SECOND SIEVE ANALYSIS COMPLETED.
 - THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.
- | SIEVE SIZE | PERCENT PASSING | |
|------------|-----------------|-----------|
| | WET SIEVE | DRY SIEVE |
| #4 | 100 | 100 |
| #10 | 70-100 | 70-100 |
| #40 | 10-50* | 10-75 |
| #100 | 0-20 | 0-5 |
| #200 | 0-5 | 0-2.5 |
- *PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.
- NON-SELECT FILL SHALL BE A CLEAN LOAM OR BETTER FREE OF ORGANIC MATTER.
 - THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENING SYSTEM OR THE OUTFLOW FROM A GARBAGE DISPOSAL OR TUB (BATHTUB, WHIRLPOL, JACUZZI, ETC.) IN EXCESS OF 100 GALLONS.
 - MEASUREMENTS FOR AS-BUILT DRAWING TO BE COMPLETED BY PROFESSIONAL ENGINEER PRIOR TO BACKFILLING.
 - FINAL GRADING TO BE COMPLETED IMMEDIATELY AFTER INSPECTION AND COMPLETION OF MEASUREMENTS FOR AS-BUILT DRAWING.
 - THERE ARE NO WELLS WITHIN 75' OF PROPOSED SEPTIC SYSTEM.
 - THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
 - LAND-TECH CONSULTANTS, INC., ASSUMES NO RESPONSIBILITY FOR SEPTIC SYSTEM SITE PREPARATION, LOCATION OR INVERT ELEVATIONS IN COMPLIANCE WITH THE APPROVED PLAN, UNLESS IT SUPERVISES EACH PHASE OF SYSTEM INSTALLATION.
 - BASED ON A VISUAL INSPECTION OF NEIGHBORING PROPERTIES AND A REVIEW OF AVAILABLE RECORDS, NO PART OF THE PROPOSED SEPTIC SYSTEM IS WITHIN THE REQUIRED SEPARATION DISTANCE FROM A WATER SUPPLY WELL, OR CLOSED LOOP GEOTHERMAL SYSTEM BOREHOLE/TRENCH AS DEFINED IN TABLE 1 OF THE "TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS", LATEST REVISION.

SEPTIC SYSTEM DESIGN CALCULATIONS

OF BEDROOMS = 5
PERCOLATION RATE = 1 INCH 20.1 - 30.0 MINUTES USED FOR DESIGN (OBSERVED PERCOLATION RATE OF 1" IN 25 MINUTES)
SQUARE FEET OF LEACHING AREA REQUIRED = 1,000 SF

PROPOSED SEPTIC SYSTEM LEACHING FIELD
60 LF OF ELJEN MANTIS DW-100
60 LF X 20.0 SF/LF = 1,200 SF OF LEACHING AREA PROVIDED

MLSS CALCULATION - PRIMARY

HYDRAULIC FACTOR (HF):
HYDRAULIC GRADIENT AT BOTH ENDS OF SYSTEM = (38.5 - 31.5) / 40 = 17.5%; (38.5 - 34) / 40 = 11.3%
AVG. HYDRAULIC GRADIENT = (17.5 + 11.3) / 2 = 12.9%
HYDRAULIC GRADIENT = 10.1-15.0%

AVERAGE DEPTH OF TEST HOLES WITHIN THE SYSTEM = DTH-1 = 38", DTH-2 = 31"
(38 + 31) / 2 = 34.5"
DEPTH OF DOWNGRADE TEST HOLE = DTH-3 = 27"
AVERAGE DEPTH OF RESTRICTIVE LAYER = (34.5 + 27) / 2 = 30.75"
HF = 20

FLOW FACTOR (FF):
NUMBER OF BEDROOMS = 5
FF = 2.0

PERCOLATION FACTOR (PF):
PERCOLATION RATE = 1" IN 20.1 - 30.0 MINUTES
PF = 1.5

MLSS = HF X FF X PF
MLSS = 20 X 2.0 X 1.5
MLSS = 60 FEET

PRIMARY LEACHING SYSTEM SPREAD = 60 FEET

INVERT ELEVATIONS

HOUSE SEWER AT FOUNDATION = 30.0 MIN.

SEPTIC TANK
INLET = 28.15
OUTLET = 27.90

PUMP CHAMBER
INLET = 27.80
OUTLET = 28.10

DISTRIBUTION BOX
INLET = 41.15
LATERAL = 41.05

ELJEN MANTIS DW-100 GALLERIES
INVERT = 41.00
BOTTOM = 40.00

1,500 GALLON PUMP CHAMBER
VOLUME & DOSING CALCULATIONS

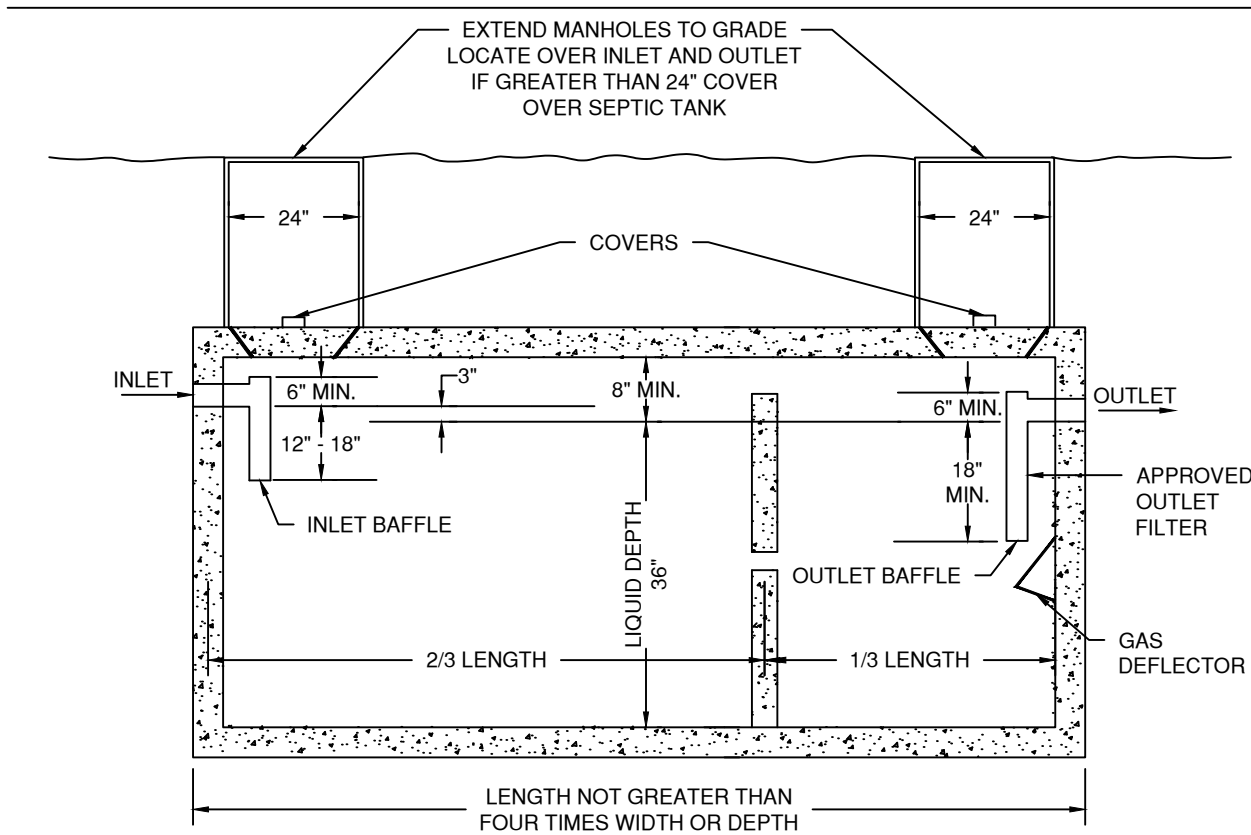
1,500 GALLON PRECAST CONCRETE PUMP CHAMBER AS MANUFACTURED BY EASTERN PRECAST CO. INC.

DESIGN FLOW = 600 GPD

PUMP CHAMBER VOLUME:
TANK INSIDE DIMENSIONS = 138.0" x 72.0" = 69.0 SF
VOLUME OF 1" OF STORAGE = 43.0 GAL./INCH

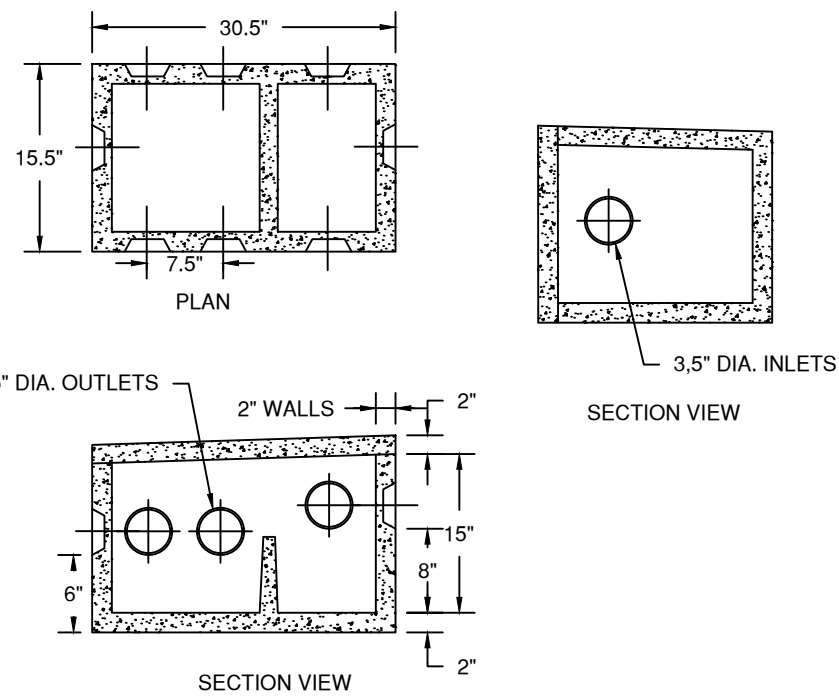
PUMP DOSING VOLUME:
ELJEN MANTIS DW-100 DOSING VOLUME PER UNIT = 30.0 GAL. (PER MANUFACTURER GUIDELINES)
60 LF / 5 LF/UNIT = 12 UNITS
DOSING VOLUME = 12 UNITS x 30 GAL./UNIT = 360.0 GAL.
360.0 GAL. / 43.0 GAL./INCH = 8.4"
SET DIFFERENTIAL BETWEEN "PUMP ON" AND "PUMP OFF" FLOATS AT 9.0"
PROVIDING 387.0 GALLONS PER PUMP CYCLE
600 GPD / 387.0 GAL./CYCLE = 1.6 CYCLES/DAY

EMERGENCY STORAGE VOLUME:
DESIGN FLOW VOLUME = 600 GAL.
600 GAL. / 43.0 GAL./INCH = 14.0"
SET EMERGENCY "ALARM ON" FLOAT AT 14" BELOW INLET INVERT ELEVATION PROVIDING 600 GALLONS ABOVE ALARM LEVEL.

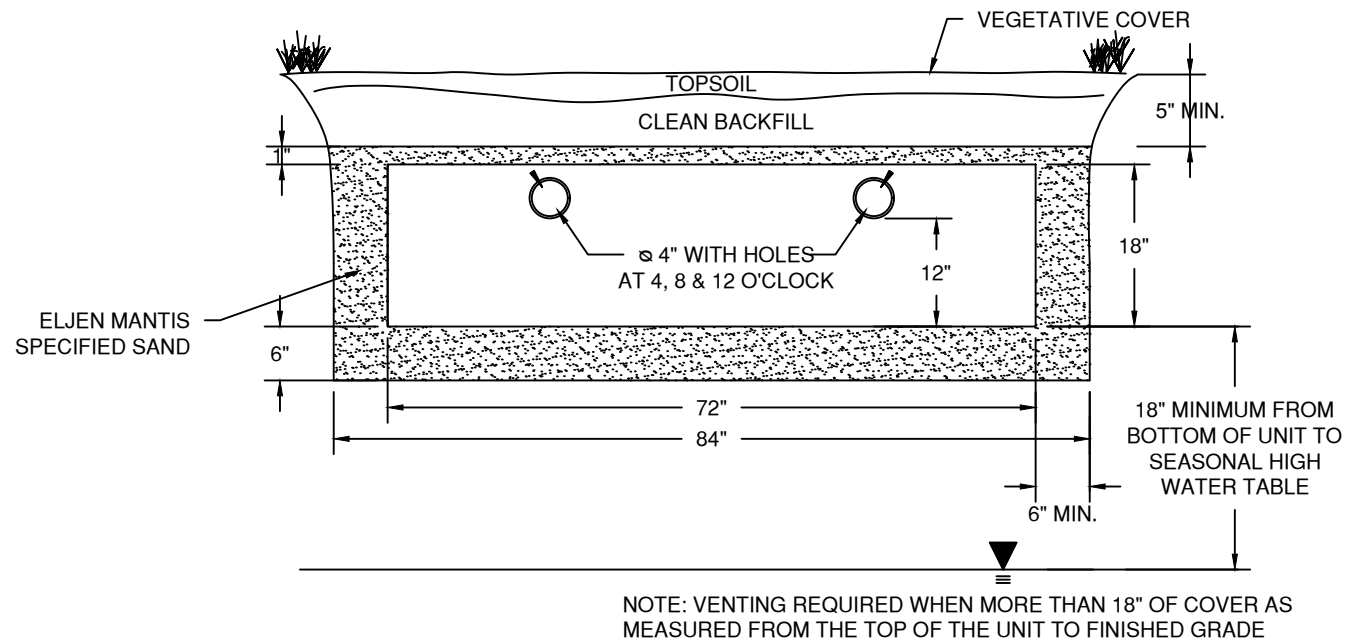


SEPTIC TANK
(NTS)

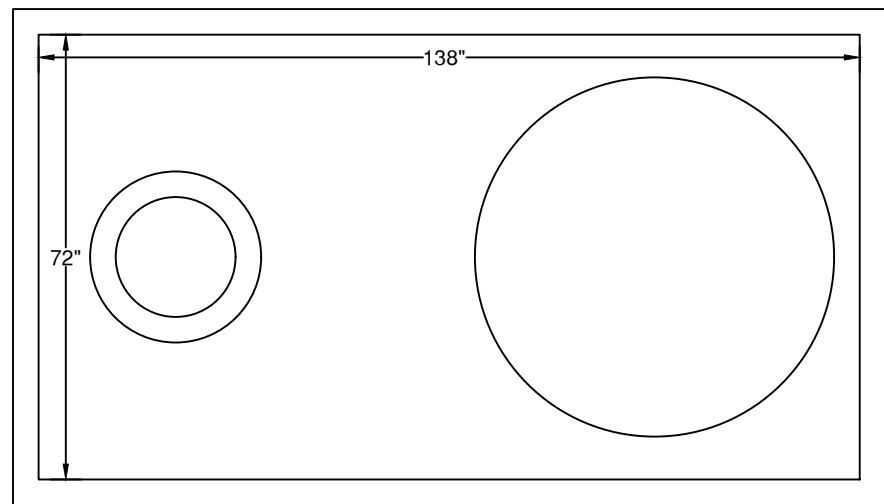
SEPTIC TANK DIMENSIONS			
CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT
1,000	9'2"	4'4"	5'
1,250	10'	5'	5'4"
1,500	11'6"	6'	4'9"
2,000	11'6"	6'	6'
2,500	11'6"	6'	7'



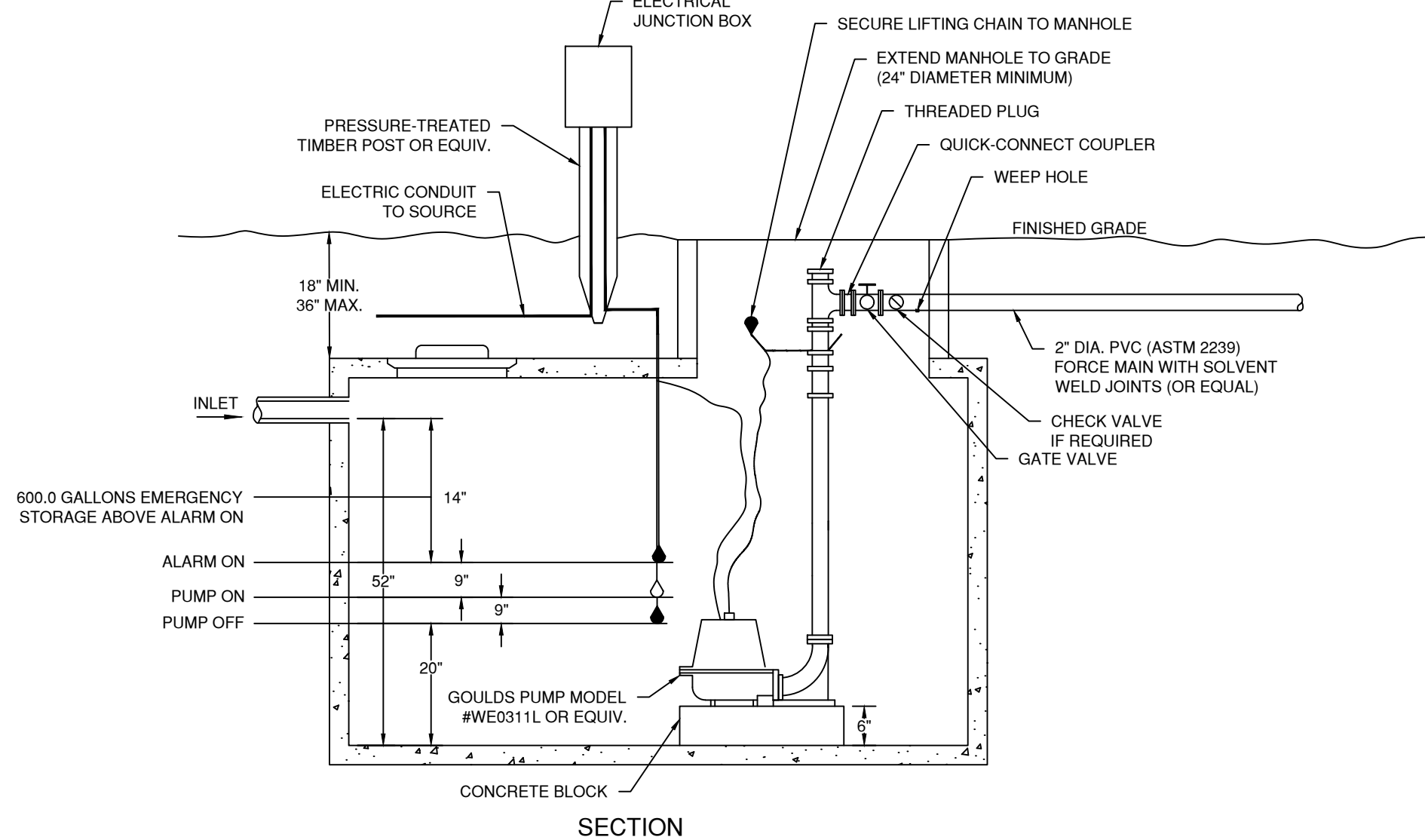
DISTRIBUTION BOX WITH BAFFLE
(NTS)



ELJEN MANTIS DW-100 TYPICAL CROSS SECTION
(NTS)

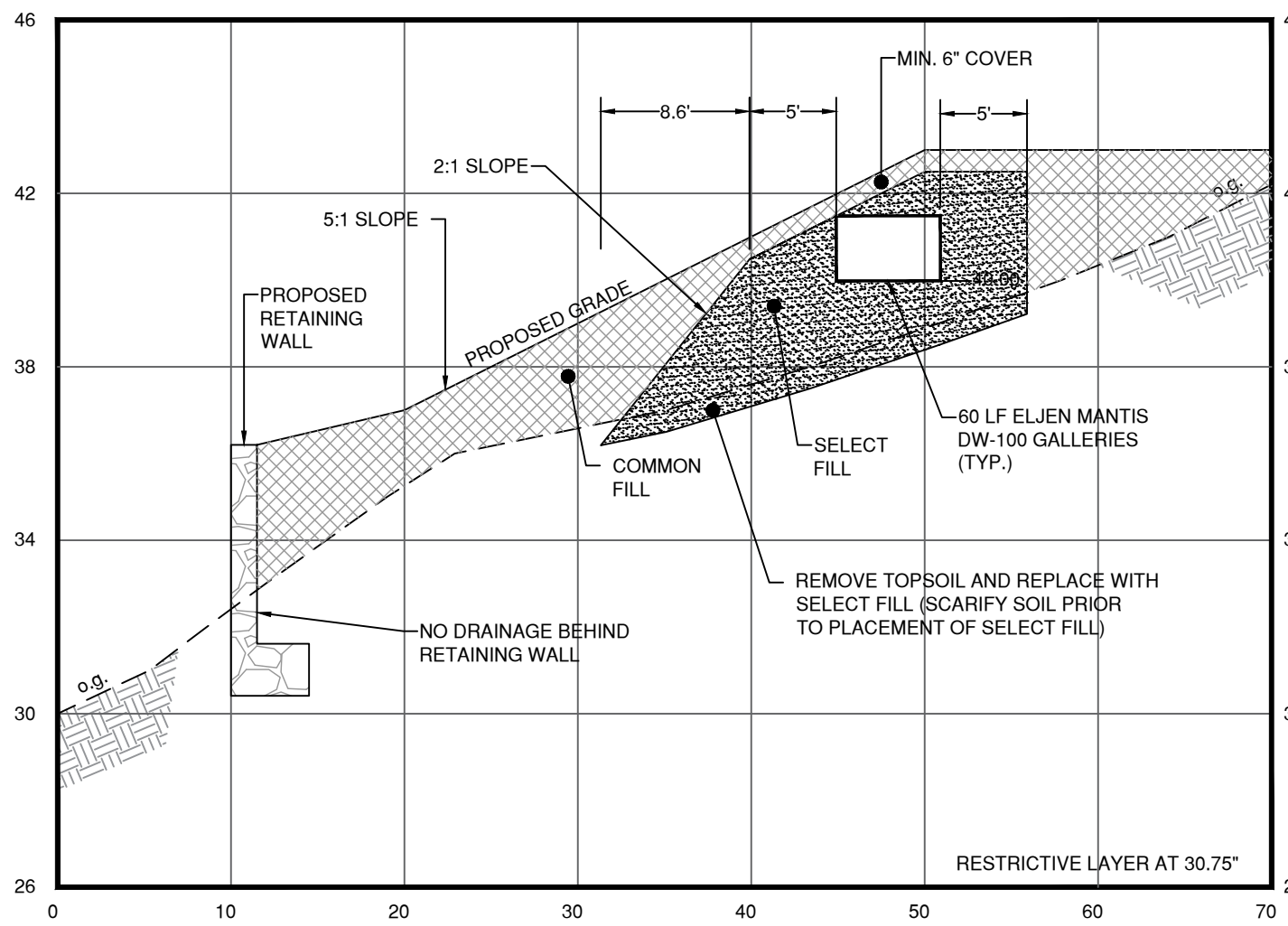


PLAN



GENERAL NOTES:
1. SET FLOATS TO PUMP 387.0 GALLONS PER CYCLE.
2. PUMP CHAMBER SHALL BE PRECAST CONCRETE AS MANUFACTURED BY EASTERN PRECAST CO. INC. OR APPROVED EQUAL.

1,500 GALLON PUMP CHAMBER
(NTS)



SECTION A - A

SCALE: HORIZ. 1" = 10'
VERT. 1" = 4'

TEST HOLE DATA

SOIL TESTS CONDUCTED ON FEBRUARY 14, 2020

TEST HOLE 1

0 - 7"
7 - 50" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 28"
NO MOTTILING, GROUNDWATER AT 38", LEDGE AT 50"
RESTRICTIVE LAYER AT 38"

TEST HOLE 2

0 - 3"
3 - 36" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 28"
NO MOTTILING, GROUNDWATER AT 31", LEDGE AT 36"
RESTRICTIVE LAYER AT 31"

TEST HOLE 3

0 - 4"
4 - 29" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 28"
NO MOTTILING, GROUNDWATER AT 27", LEDGE AT 29"
RESTRICTIVE LAYER AT 27"

TEST HOLE 4

0 - 6"
6 - 20" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 11"
NO MOTTILING, NO GROUNDWATER, LEDGE AT 20"
RESTRICTIVE LAYER AT 20"

TEST HOLE 5

0 - 8"
8 - 42" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 13"
NO MOTTILING, NO GROUNDWATER, LEDGE AT 42"
RESTRICTIVE LAYER AT 42"

TEST HOLE 6

0 - 9"
9 - 30" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 27"
NO MOTTILING, NO GROUNDWATER, LEDGE AT 30"
RESTRICTIVE LAYER AT 30"

TEST HOLE 7

0 - 7"
7 - 41" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 33"
NO MOTTILING, NO GROUNDWATER, LEDGE AT 41"
RESTRICTIVE LAYER AT 41"

TEST HOLE 8

0 - 8"
8 - 20" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 12"
NO MOTTILING, NO GROUNDWATER, LEDGE AT 20"
RESTRICTIVE LAYER AT 20"

TEST HOLE 9

0 - 10"
10 - 45" TOPSOIL
BROWN SILTY FINE SAND
ROOTS TO 21"
NO MOTTILING, NO LEDGE, GROUNDWATER AT 22"
RESTRICTIVE LAYER AT 22"

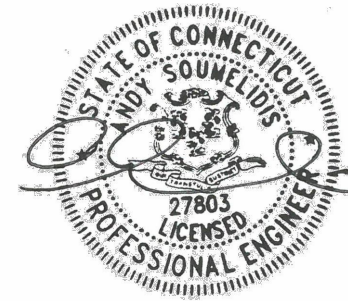
PERCOLATION TEST DATA

Perc Hole	P.1	24 in.	Date:	2/14/2020
Depth:			Presoak:	60min
Time	Depth (in.)	Drop (in.)	Interval (min.)	Rate (min./in.)
10:50	5.50			
11:00	7.00	1.50	00:10	6.67
11:10	8.50	1.50	00:10	6.67
11:20	9.50	1.00	00:10	10.00
11:30	10.00	0.50	00:10	20.00
11:40	10.50	0.50	00:10	20.00
11:50	11.00	0.50	00:10	20.00
Final Rate:	1" in	20.00 minutes		

Perc Hole	P.2	24 in.	Date:	2/14/2020
Depth:			Presoak:	60min
Time	Depth (in.)	Drop (in.)	Interval (min.)	Rate (min./in.)
10:51	7.00			
11:01	8.00	1.00	00:10	10.00
11:11	8.50	0.50	00:10	20.00
11:21	9.50	1.00	00:10	10.00
11:31	9.75	0.25	00:10	40.00
11:41	10.00	0.25	00:10	40.00
11:51	10.25	0.25	00:10	40.00
Final Rate:	1" in	40.00 minutes		

Perc Hole	P.3	24 in.	Date:	2/14/2020
Depth:			Presoak:	60 min
Time	Depth (in.)	Drop (in.)	Interval (min.)	Rate (min./in.)
10:53	3.50			
11:03	8.00	4.50	00:10	2.22
11:13	12.00	4.00	00:10	2.50
11:23	14.25	2.25	00:10	4.44
11:33	15.25	1.00	00:10	10.00
11:43	15.75	0.50	00:10	20.00
11:53	16.15	0.40	00:10	25.00
Final Rate:	1" in	25.00 minutes		

Perc Hole	P.4	25 in.	Date:	2/14/2020
Depth:			Presoak:	60 min
Time	Depth (in.)	Drop (in.)	Interval (min.)	Rate (min./in.)
10:55	5.00			
11:05	11.50	6.50	00:10	1.54
11:15	15.00	3.50	00:10	2.86
11:25	17.75	2.75	00:10	3.64
11:35	19.50	1.75	00:10	5.71
11:45	21.00	1.50	00:10	6.67
11:55	22.00	1.00	00:10	10.00
Final Rate:	1" in	10.00 minutes		



REVISIONS	DATE	DESCRIPTION
1	5/17/20	REVISED PER DEEP COMMENTS
2	5/17/20	REVISED PER WIND COMMENTS
3	5/17/20	ISSUE

Civil & Structural Engineers
Environmental Scientists
Project Coordination
Construction Management
Construction Finance

6 MANITOU COURT, LLC
6 MANITOU COURT
WESTPORT, CT
TITLE:
PROPOSED SITE IMPROVEMENTS FOR A SINGLE FAMILY
ADDITION AND RENOVATION - NOTES & DETAILS

PROJECT No.	20020-01
SCALE	DATE
NTS	5/12/20
DRAWN BY:	CHECKED BY:
SM	AS

LANDTECH

C-4